

Recovery Plan Action Status

Plan Name: Desert Slender Salamander Recovery Plan

Plan Status: Final

Plan Date: 12-Aug-82

Lead Agency: USFWS

Lead Office: Carlsbad Fish And Wildlife Office

(431-9440)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Desert slender salamander (Batrachoseps aridus)	2	111	Determine impacts on water component of habitat	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	112	Prevent diversion of storm runoff	Ongoing Not Current	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	113	Discourage local groundwater pumping	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	114	Determine water source	Partially Complete	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	121	Assess alternatives for protecting watershed	Partially Complete	Prior to FY 1995		U.S. Bureau of Land Management, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	1	122	Determine necessity of acquiring land	Complete	Prior to FY 1995	Prior to FY 1995	U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	dates approx
Desert slender salamander (Batrachoseps aridus)	2	123	Evaluate components of watershed	Partially Complete	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	13	Construct/maintain gabions	Complete	Prior to FY 1995	Prior to FY 1995	California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	141	Research studies to determine habitat requirements	Not Started			U.S. Bureau of Land Management, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	

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Desert slender salamander (Batrachoseps aridus)	2	146	Examine other factors affecting survivability	Not Started			U.S. Bureau of Land Management, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	151	Determine population size	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	152	Determine age-class structure and composition	Not Started			U.S. Bureau of Land Management, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	153	Determine the life-cycle of the desert slender salamander	Not Started			U.S. Bureau of Land Management, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	1611	Set up photo plots	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	1612	Photograph sites during March and July	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	1613	Monitor the soil temperature, moisture conditions, water supply and other climatological conditions	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	1614	Examine Gabion structure	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	1615	Assess need for additional stabilization or restoration of habitat at Hidden Palms Ecological Reserve	Ongoing Not Current	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	162	Implement program for assessing water quality	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	

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Desert slender salamander (Batrachoseps aridus)	1	21	Verify taxonomic status of suspected new populations	Complete	FY 1995 - FY 1999	FY 1995 - FY 1999	U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Research: Taxonomic Studies	Contract, Internal Technical Assistance	date unsure; CDFG study
Desert slender salamander (Batrachoseps aridus)	1	221	Assess population numbers	Not Started			U.S. Bureau of Land Management, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	222	Determine age class structure and composition	Not Started			U.S. Bureau of Land Management	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	223	Determine factors affecting reproductive success	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	224	Determine factors affecting survivability	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	231	Set up photo plots	Complete	Prior to FY 1995	Prior to FY 1995	U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	232	Photograph sites during March and July	Ongoing Not Current	Prior to FY 1995		U.S. Bureau of Land Management	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	233	Monitor soil temperature, moisture conditions, and water supply	Ongoing Not Current	Prior to FY 1995		U.S. Bureau of Land Management	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	1	234	Determine if habitat restoration is necessary	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	1	235	Implement program for assessing water quality	Ongoing Not Current	Prior to FY 1995		U.S. Bureau of Land Management, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	

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Desert slender salamander (Batrachoseps aridus)	2	312	Conduct thorough field surveys	Complete	Prior to FY 1995	Prior to FY 1995	California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	33	Locate and examine springs	Partially Complete	Prior to FY 1995		U.S. Bureau of Land Management, California Department of Fish and Game	Research: Population Surveys	Contract, Internal Field Assistance, Internal Technical Assistance, Species Expert	Date unsure -- date of finding new population
Desert slender salamander (Batrachoseps aridus)	2	34	Develop holding, breeding and rearing methodology for DSS using common species of Batrachoseps	Not Started			U.S. Bureau of Land Management, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	41	Enforce State/Federal regulations	Ongoing Not Current	Prior to FY 1995		U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Other: Administration, Other: Law Enforcement, Other: Regulations	Internal Administrative, Internal Technical Assistance	
Desert slender salamander (Batrachoseps aridus)	2	42	Coordinate with enforcement personnel	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Law Enforcement Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	2	43	Relocate road pullout	Complete	Prior to FY 1995	Prior to FY 1995	California Department of Transportation	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	1	44	Refrain from altering water drainage patterns along Highway 74	Unknown			California Department of Transportation, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Desert slender salamander (Batrachoseps aridus)	1	5	Determine habitat/population criteria for changing status and delisting	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	